

# EUROPEAN PATENT OFFICE

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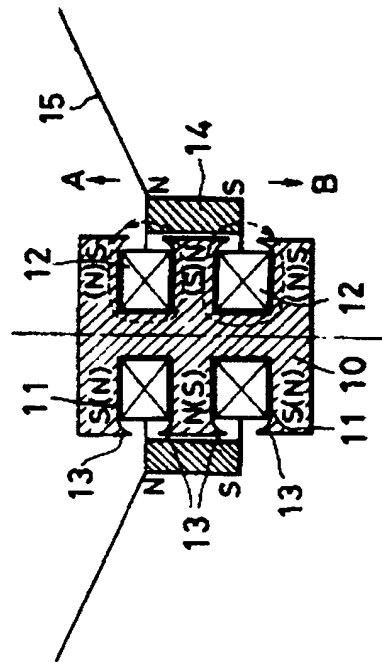
APPLICATION DATE : 21-09-79  
APPLICATION NUMBER : 54120886

APPLICANT : FOSTER DENKI KK;

INVENTOR : NAKAMURA EIICHI;

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TITLE : MOVING MAGNET TYPE SPEAKER



**ABSTRACT :** PURPOSE: To make small the size and light the weight, by preventing the open wire failure due to the oscillation of moving coil of speaker through the location of lead wires for the moving part and improving the heat dissipation efficiency through the provision of ring shaped grooves around the core.

**CONSTITUTION:** The entire core 10 of the moving magnet type speaker is made almost in bobbin shape, the sectional area is made to "ou"(Japanese:kanji,3226)-shape (shape of a cross with segment on and below it) and the entire core is fixed to the frame. Two ring shape grooves 11 are formed to the main body of the core 10 to form the magnetic leg of flange shape with the groove 11 upper, lower and at the center of the core 10. The coil 12 is wound for excitation in each groove 11, and when audio current flows to the coil 12 for excitation, the magnetic legs upper and lower are magnetized as the same pole and the magnetic leg at the center is magnetized to opposite pole to the upper and lower magnetic legs. Further, the projection 13 is formed at the both sides of the tip of magnetic leg at the center, and the moving magnet 14 high in the coercive force is located around the core 10 movably up and down to the core 10, allowing to prevent the open wire of leads and to improve the the effect of heat dissipation.

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